STATEMENT OF BASIS (AI No. 2612)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0056600 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Delta Terminal Services, LLC
Harvey Terminal
P.O. Box 581
Harvey, Louisiana 70059

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Yvonne Baker

DATE PREPARED: November 1, 2006

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. NPDES permit - effective date: N/A
expiration date: N/A

C. LPDES permit – LA0056600
effective date: March 1, 2002
expiration date: February 28, 2007

LAG532010
effective date: April 13, 2006
expiration date: November 30, 2007

D. Date Application Received: September 1, 2006

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - chemical storage and distribution facility

This is an existing intermodal terminal for bulk chemical products. Some products are packaged/ drummed on site. Products may be transferred to/ from vessels, railcars, trucks, and miscellaneous containers/ totes/ drums/ packages. Some products are temporarily stored on site for clients. No production or manufacturing of chemicals or other compounds occurs at the terminal. The wastewater discharge from this facility is comprised of stormwater runoff, washdown water, utility wastewater which includes calibration water, hydrostatic testing water, boiler blowdown, condensate, and treated sanitary wastewater.

B. FEE RATE
1. Fee Rating Facility Type: minor
2. Complexity Type: II
3. Wastewater Type: II
4. SIC code: 4226

C. LOCATION – 3540 River Road in Harvey, Jefferson Parish
Latitude 30°28'20", Longitude 91°03'49"

3. OUTFALL INFORMATION

Outfall 001 – Fina Yard

Discharge Type:	stormwater runoff, washdown water, utility wastewater (includes calibration water), boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater
Treatment:	settling and oil removal by gravity separation in the stormwater collection pit and an over/under weir flow system
Location:	at the point of discharge from the stormwater collection pit in the Fina Yard, prior to mixing with waters of the state, latitude 29 54'18", longitude 90 05'33"
Flow:	intermittent
Discharge Route:	via pipe to local drainage thence into the Intracoastal Canal

Outfall 101 - Fina Yard

Discharge Type:	hydrostatic test water
Treatment:	none
Location:	at the point of discharge from the tank being tested
Flow:	intermittent
Discharge Route:	by ditch to Outfall 001

Outfall 201 – Fina Yard (renumbered 301 from application)

Discharge Type:	treated sanitary wastewater
Treatment:	STP with aeration and chlorination
Location:	at the point of discharge from unit #1 along rail track # 797
Flow:	600 GPD
Discharge Route:	by ditch to Outfall 001

Outfall 301 – Fina Yard (renumbered 302 from application)

Discharge Type:	treated sanitary wastewater
Treatment:	STP with aeration and chlorination
Location:	at the point of discharge from unit #2 along rail track # 797
Flow:	390 GPD
Discharge Route:	by ditch to Outfall 001

Outfall 002 - West Yard

Discharge Type:	stormwater runoff, washdown water, utility washwater (includes calibration water), boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater
Treatment:	settling and oil removal by gravity separation in the stormwater collection pit and an over/under weir flow system
Location:	point of discharge from the stormwater collection pit in the West Yard, prior to mixing with waters of the state, latitude 29 54'13", longitude 90 05'27"
Flow:	intermittent
Discharge Route:	via local drainage thence into the Intracoastal Canal

Outfall 102 - West Yard

Discharge Type:	Hydrostatic test water
Treatment:	None
Location:	From the point of discharge from the tank being tested
Flow:	Intermittent
Discharge Route:	by ditch to Outfall 002

Outfall 202 - West Yard (renumbered 303 from application)

Discharge Type:	treated sanitary wastewater
Treatment:	STP with aeration and chlorination
Location:	at the point of discharge from unit #3 on the west side of the drainage along Distillery Lane
Flow:	240 GPD
Discharge Route:	by pipe to Outfall 002

Outfall 003 – East Yard

Discharge Type:	stormwater runoff, washdown water, utility washwater (includes calibration water), boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater
Treatment:	settling and oil removal by gravity separation in the stormwater collection pit and an over/under weir flow system
Location:	at the point of discharge from the pump on the water treatment system in the East Yard, prior to mixing with waters of the state, latitude 29 54'40", longitude 90 05'23"
Flow:	intermittent
Discharge Route:	via pipe to the Mississippi River

Outfall 103 - East Yard

Discharge Type:	hydrostatic test water
Treatment:	none
Location:	from the point of discharge from the tank being tested
Flow:	intermittent
Discharge Route:	by ditch to Outfall 003

Outfall 203 - East Yard *

This outfall has been deleted.

Outfall 303 - East Yard (renumbered 304 from application)

Discharge Type:	treated sanitary wastewater
Treatment:	STP with aeration and chlorination
Location:	at the point of discharge from unit #4 along the road which runs parallel to the East Yard's foreman's office
Flow:	875 GPD
Discharge Route:	by ditch to Outfall 003

Outfall 403 - East Yard (renumbered 305 from application)

Discharge Type:	treated sanitary wastewater
Treatment:	STP with aeration and chlorination
Location:	at the point of discharge from unit #5 directly behind the Traffic Building, approximately 100 feet southwest of unit #5
Flow:	540 GPD
Discharge Route:	by ditch to Outfall 003

Outfall 503 - East Yard (renumbered 306 from application)

Discharge Type:	treated sanitary wastewater
Treatment:	STP with aeration and chlorination
Location:	at the point of discharge from unit #6 directly behind the Traffic Building, approximately 200 feet west of unit #6
Flow:	250 GPD
Discharge Route:	by ditch to Outfall 003

Outfall 004 - Hydril Yard

Discharge Type:	stormwater runoff, washdown water, utility washwater (includes calibration water), boiler condensate, boiler blowdown, previously monitored hydrostatic testing water
Treatment:	settling and oil removal by gravity separation in the stormwater collection pit and an over/under weir flow system
Location:	at the point of discharge from the stormwater collection pit in the Hydril Yard, prior to mixing with waters of the state, latitude 29 54'26", longitude 90 05'09"
Flow:	intermittent
Discharge Route:	via pipe to local drainage thence into the Intracoastal Waterway

Outfall 104 - Hydril Yard

Discharge Type:	hydrostatic test water
Treatment:	none
Location:	from the point of discharge from the tank being tested
Flow:	intermittent
Discharge Route:	by ditch to Outfall 004

Outfall 204 - Hydril Yard *

This outfall has been deleted

Outfall 011 - (renumbered 005 from application)

Discharge Type:	emergency stormwater runoff from the Main Yard
Treatment:	none
Location:	at the point of discharge from the stormwater collection in the southwest corner of the Main Yard, prior to mixing with waters of the state, latitude 29 54'24", longitude 90 09'21"
Flow:	intermittent
Discharge Route:	via pipe to local drainage thence into the Intracoastal Canal

Outfall 012 - (renumbered 006 from application)

Discharge Type:	emergency stormwater runoff from the Main and West Yards
Treatment:	none
Location:	at the point of discharge from the stormwater collection at the east/central side of the West Yard, prior to mixing with waters of the state, latitude 29 54'29", longitude 90 05'23"
Flow:	intermittent
Discharge Route:	via pipe to local drainage thence into the Intracoastal Canal

Outfall 013 - (renumbered 007 from application)

Discharge Type:	emergency stormwater runoff from the West Yard
Treatment:	none
Location:	at the point of discharge from the stormwater collection in the southeast corner, prior to mixing with waters of the state, latitude 29 54'24", Longitude 90 09'24"
Flow:	intermittent
Discharge Route:	via pipe to local drainage thence into the Intracoastal Canal

* In accordance with LAC 33:IX.2511.A.1, discharges composed of storm water "...shall be required to obtain an LPDES permit except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14, facilities classified as SIC code 4226 are considered to have stormwater discharges associated with industrial activity.

Outfalls 203 and 204 were included in the previous permit due to observations made on a site visit on February 21, 2001. Because of good compliance history in years 2003, 2004 and 2005 and because stormwater from these areas discharge to external outfalls 003 and 004, outfalls 203 and 204 have been deleted.

4. RECEIVING WATERS

STREAM - Intracoastal Canal (Outfalls 001, 002, 004, 011, 012, & 013); and the Mississippi River (Outfall 003)

BASIN AND SEGMENT - (Subsegment 070301) Barataria (Segment 020601) and the Mississippi River Basin

DESIGNATED USES - Subsegment 020601
a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife

DESIGNATED USES - Subsegment 070301
a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife
d. drinking water supply

5. TMDL STATUS

Subsegment 020601

The discharges from Delta Terminal Services, LLC are to the Intracoastal Canal via local drainage, Subsegment 020601 of the Barataria Basin. Subsegment 020601 is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

Subsegment 070301

The discharges from Delta Terminal Services, LLC are to the Mississippi River via pipe, Subsegment 070301 of the Mississippi River Basin. Subsegment 070301 is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

6. SUMMARY OF PROPOSED PERMIT CHANGES

Outfalls 001, 002, 003, and 004:

Additional parameters and monitoring requirements have been included in the permit because of the potential for the facility to handle and/or store commodities containing metals, volatile compounds, acid compounds, base/neutral compounds, phenols, and pesticides/herbicides, and because there is potential for leaks and spills during the transfer of the products. The effluent limitations are based on state empirical limitations and are consistent with current LDEQ practices for permitting stormwater with potential to discharge these types of pollutants.

Internal Outfalls 201, 301, 202, 303, 403, and 503:

These outfalls were added to the permit to encompass the treated sanitary discharges currently covered under LAG532010.

Outfalls 011, 012, and 013:

These outfalls were added for emergency stormwater runoff to prevent flooding at the facility at the request of the permittee.

7. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale

8. COMPLIANCE HISTORY/COMMENTS

A. Compliance History

1. An inspection conducted on January 31, 2001 revealed the following: the permit and DMRs were on site and appeared to be in order; there were no apparent violations; and the receiving water had no smell, oily sheen, or solids present.

B. DMR Review/Excursions: A DMR review of years 2003, 2004, 2005, and 2006 noted the following excursions:

Outfall Number	Parameter	Permit Limitation	Reported Value	Month /Year
001	Trichloroethylene	100 µg/l	270 µg/l	January 2005
001	Trichloroethylene	100 µg/l	468 µg/l	December 2004
001	Trichloroethylene	100 µg/l	150 µg/l	January 2006
002	TOC	50 mg/l	160 mg/l	September 2005
002	TOC	50 mg/l	74 mg/l	August 2005
002	TOC	50 mg/l	177 mg/l	March 2005
002	TOC	50 mg/l	240 mg/l	February 2005
002	TOC	50 mg/l	255 mg/l	January 2005
002	TOC	50 mg/l	84 mg/l	November 2004
002	TOC	50 mg/l	380 mg/l	January 2003
002	pH	6 s.u (min)	5.63 s.u.	January 2003

Outfall Number	Parameter	Permit Limitation	Reported Value	Month /Year
004	TOC	50 mg/l	54 mg/l	September 2005
004	1,2 Dichloroethane	100 µg/l	298 µg/l	March 2005
005	Fecal Coliform	400 colonies/100mL	2100 colonies/100mL	June 2006
006	TSS	45 mg/L	50 mg/L	June 2006
007	TSS	45 mg/L	100 mg/L	June 2006
008	TSS	45 mg/L	100 mg/L	June 2006
008	Fecal Coliform	400 colonies/100mL	3900 colonies/100mL	June 2006
009	TSS	45 mg/L	64 mg/L	June 2006
010	BOD_5	45 mg/L	121 mg/L	June 2006
010	TSS	45 mg/L	58 mg/L	June 2006
010	Fecal Coliform	400 colonies/100mL	32,000 colonies/100mL	June 2006

All DMRs were on file at LDEQ except for the third quarter of 2004.

9. EXISTING EFFLUENT LIMITS

See attached permit.

10. ENDANGERED SPECIES

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, has been identified by the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon and Migratory Waterfowl, which is listed as an endangered species. LDEQ has not submitted this draft permit to the FWS for review in accordance with a letter dated September 29, 2006 from Watson (FWS) to Brown (LDEQ). As set forth in the Memorandum of Understanding between the LDEQ and the FWS, and based on information provided by the FWS, LDEQ has determined that the issuance of the LPDES permit is not likely to have an adverse effect upon the Pallid Sturgeon and Migratory Waterfowl. Effluent limitations are established in the permit to ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. The more stringent of technology and water quality based limits (as applicable) have been applied to ensure maximum protection of the receiving water.

The receiving waterbody, Subsegment 020601 of the Barataria Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated September 29, 2006 from Watson (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

11. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

12. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

13. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

Rationale for Delta Terminal Services, LLC

1. **Outfall 001** - stormwater from the Fina Yard, washdown water, utility washwater, boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater
   Outfall 002 - stormwater from the West Yard, washdown water, utility washwater, boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater
   Outfall 003 - the intermittent discharge of stormwater from the East Yard, washdown water, utility washwater, boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater
   Outfall 004 - stormwater from the Hydril Yard, washdown water, utility washwater, boiler condensate, boiler blowdown, previously monitored hydrostatic testing water

Pollutant	Limitation Mo. Avg:Daily Max (mg/l)	Reference
Flow	Report:Report	*;previous permit
TOC	---:50 mg/L	*; previous permit
Oil and Grease	---:15 mg/L	*; previous permit
Total Phenols (*4)	---:500 ug/L	BPJ
Total Cyanide (*2)	---:100 ug/L	BPJ
pH	6.0 - 9.0 su	*; previous permit
METALS		
Antimony (*2)	---:600 ug/L	BPJ
Arsenic (*2)	---:100 ug/L	BPJ
Beryllium (*2)	---:100 ug/L	BPJ
Cadmium (*2)	---:100 ug/L	BPJ
Chromium (*2)	---:150 ug/L	BPJ
Copper (*2)	---:500 ug/L	BPJ
Lead (*1,*2)	---:150 ug/L	BPJ
Mercury (*2)	---:10 ug/L	BPJ
Nickel (*2)	---:500 ug/L	BPJ
Selenium (*2)	---:100 ug/L	BPJ
Silver(*2)	---:100 ug/L	BPJ
Thallium(*2)	---:100 ug/L	BPJ
Zinc (*2)	---:1000 ug/L	BPJ
VOLATILE COMPOUNDS		
Acrolein (*2)	---:100 ug/L	BPJ
Acrylonitrile (*2)	---:100 ug/L	BPJ; previous permit
Benzene (*1,*2)	---:100 ug/L	BPJ; previous permit
Bromoform (*2)	---:100 ug/L	BPJ
Carbon Tetrachloride(*2)	---:100 ug/L	BPJ; previous permit
Chlorobenzene (*2)	---:100 ug/L	BPJ; previous permit
Chlorodibromomethane (*2)	---:100 ug/L	BPJ
Chloroethane (*2)	---:100 ug/L	BPJ
2-Chloroethyl Vinyl Ether (*2)	---:100 ug/L	BPJ

Chloroform (*2)	---:100 ug/L	BPJ; previous permit
Dichlorobromomethane (*2)	---:100 ug/L	BPJ
1,1-Dichloroethane (*2)	---:100 ug/L	BPJ
1,2-Dichloroethane (*2)	---:100 ug/L	BPJ; previous permit
1,1-Dichloroethylene (*2)	---:100 ug/L	BPJ
1,2-Dichloropropane (*2)	---:100 ug/L	BPJ
1,3-Dichloropropylene (*2)	---:100 ug/L	BPJ
Ethylbenzene (*2)	---:100 ug/L	BPJ; previous permit
Methyl Bromide (*2)	---:100 ug/L	BPJ
Methyl Chloride (*2)	---:100 ug/L	BPJ; previous permit
Methylene Chloride (*2)	---:100 ug/L	BPJ
1,1,2,2-Tetra-Chloroethane (*2)	---:100 ug/L	BPJ
Tetrachloroethylene (*2)	---:100 ug/L	BPJ; previous permit
Toluene (*2)	---:100 ug/L	BPJ; previous permit
1-2-Trans-Dichloroethylene (*2)	---:100 ug/L	BPJ
1,1,1-Trichloroethane (*2)	---:100 ug/L	BPJ; previous permit
1,1,2-Trichloroethane (*2)	---:100 ug/L	BPJ
Trichlorethylene (*2)	---:100 ug/L	BPJ; previous permit
Vinyl Chloride (*2)	---:100 ug/L	BPJ

ACID COMPOUNDS

Phenol (*2)	---:100 ug/L	BPJ
2-Nitrophenol(*2)	---:100 ug/L	BPJ
4-Nitrophenol(*2)	---:100 ug/L	BPJ
2,4-Dinitrophenol(*2)	---:100 ug/L	BPJ
4,6-Dinitro-O-Cresol(*2)	---:100 ug/L	BPJ
P-Chloro-M-Cresol(*2)	---:100 ug/L	BPJ
Pentachlorophenol(*2)	---:100 ug/L	BPJ
2-Chlorophenol (*2)	---:100 ug/L	BPJ
2,4-Dichlorophenol (*2)	---:100 ug/L	BPJ
2,4,6-Trichlorophenol (*2)	---:100 ug/L	BPJ
2,4-Dimethylphenol (*2)	---:100 ug/L	BPJ

BASE/NEUTRAL COMPOUNDS

1,2-Dichlorobenzene(*2)	---:100 ug/L	BPJ
1,2-Diphenylhydrazine(*2)	---:100 ug/L	BPJ
1,2,4-Trichlorobenzene(*2)	---:100 ug/L	BPJ
1,3-Dichlorobenzene(*2)	---:100 ug/L	BPJ
1,4-Dichlorobenzene(*2)	---:100 ug/L	BPJ
2-Chloronaphthalene(*2)	---:100 ug/L	BPJ
2,4-Dinitrotoluene(*2)	---:100 ug/L	BPJ
2,6-Dinitrotoluene(*2)	---:100 ug/L	BPJ
3,3-Dichlorobenzidine(*2)	---:100 ug/L	BPJ
3,4-Benzofluoranthene(*2)	---:100 ug/L	BPJ
4-Bromophenyl Phenyl Ether(*2)	---:100 ug/L	BPJ
4-Chlorophenyl Phenyl Ether(*2)	---:100 ug/L	BPJ
Acenaphthene(*2)	---:100 ug/L	BPJ
Acenaphthylene(*2)	---:100 ug/L	BPJ
Anthracene(*2)	---:100 ug/L	BPJ
Benzidine(*2)	---:100 ug/L	BPJ

Benzo (a) Anthracene(*2)	---:100 ug/L	BPJ
Benzo (a) Pyrene(*2)	---:100 ug/L	BPJ
Benzo, (g,h,i) Perylene(*2)	---:100 ug/L	BPJ
Benzo (k) Fluoranthene(*2)	---:100 ug/L	BPJ
Bis (2-Chloroethoxy) Methane(*2)	---:100 ug/L	BPJ
Bis (2-Chloroethyl) Ether(*2)	---:100 ug/L	BPJ
Bis (2-Chloroisopropyl) Ether(*2)	---:100 ug/L	BPJ
Bis (2-Ethylhexyl) Phthalate(*2)	---:100 ug/L	BPJ
Butyl Benzyl Phthalate(*2)	---:100 ug/L	BPJ
Chrysene(*2)	---:100 ug/L	BPJ
Dibenzo (a,h) Anthracene(*2)	---:100 ug/L	BPJ
Diethyl Phthalate(*2)	---:100 ug/L	BPJ
Dimethyl Phthalate(*2)	---:100 ug/L	BPJ
Di-N-Butyl Phthalate(*2)	---:100 ug/L	BPJ
Di-N-Octyl Phthalate(*2)	---:100 ug/L	BPJ
Fluoranthene(*2)	---:100 ug/L	BPJ
Fluorene(*2)	---:100 ug/L	BPJ
Hexachlorobenzene(*2)	---:100 ug/L	BPJ
Hexachlorobutadiene(*2)	---:100 ug/L	BPJ
Hexachlorocyclopentadiene(*2)	---:100 ug/L	BPJ
Hexachloroethane(*2)	---:100 ug/L	BPJ
Ideno (1,2,3-c,d) Pyrene(*2)	---:100 ug/L	BPJ
Isophorone(*2)	---:100 ug/L	BPJ
Naphthalene(*2)	---:100 ug/L	BPJ; previous permit
Nitrobenzene(*2)	---:100 ug/L	BPJ; previous permit
N-Nitrosodimethylamine(*2)	---:100 ug/L	BPJ
N-Nitrosodi-n-propylamine(*2)	---:100 ug/L	BPJ
N-Nitrosodiphenylamine(*2)	---:100 ug/L	BPJ
Phenanthrene(*2)	---:100 ug/L	BPJ
Pyrene(*2)	---:100 ug/L	BPJ

PESTICIDES/HERBICIDES

Alpha-Endosulfan(*2)	---:10 ug/L	BPJ
Beta-Endosulfan(*2)	---:10 ug/L	BPJ
Endosulfan Sulfate(*2)	---:10 ug/L	BPJ
Aldrin(*2)	---:10 ug/L	BPJ
Alpha-BHC(*2)	---:10 ug/L	BPJ
Beta-BHC(*2)	---:10 ug/L	BPJ
Gamma-BHC(*2)	---:10 ug/L	BPJ
Delta-BHC(*2)	---:10 ug/L	BPJ
Dieldrin(*2)	---:10 ug/L	BPJ
4,4'-DDE(*2)	---:10 ug/L	BPJ
4,4'-DDD(*2)	---:10 ug/L	BPJ
4,4'-DDT(*2)	---:10 ug/L	BPJ
Heptachlor(*2)	---:10 ug/L	BPJ
Endrin Aldehydye(*2)	---:10 ug/L	BPJ
Heptachlor Epoxide(*2)	---:10 ug/L	BPJ
Chlordane(*2)	---:10 ug/L	BPJ
Toxaphene(*2)	---:10 ug/L	BPJ
PCB-1242(*2)	(*3)	BPJ
PCB-1254(*2)	(*3)	BPJ

PCB-1221(*2)	(*3)	BPJ
PCB-1232(*2)	(*3)	BPJ
PCB-1248(*2)	(*3)	BPJ
PCB-1260(*2)	(*3)	BPJ
PCB-1016(*2)	(*3)	BPJ
2,3,7,8-TCDD (Dioxin)(*2)	---:5 ug/L	BPJ
Endrin(*2)	---:5 ug/L	BPJ

BPJ Best Professional Judgement
su Standard Units
* LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6)

(*1) This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing liquid or gaseous hydrocarbons.

(*2) This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing this parameter

(*3) There shall be no discharge of polychlorinated biphenyls (PCBs).

(*4) This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing any phenolic compound.

Treatment: settling in stormwater collection pit

Monitoring Frequency: flow, TOC, oil and grease, and pH shall be monitored monthly.

All other parameters must be monitored once during each month in which the outfall could potentially be affected by handling and/or storing commodities containing one or more of the specified chemicals, and once a month for two months thereafter (i.e., if a commodity containing one or more of the specified chemicals is handled and/or stored within the tank farm, the specified parameter must be monitored at the outfall for the respective tank farm once during each month in which the specified chemical is handled and/or stored within that tank farm, and monitoring shall continue once per month for two months after the commodity is no longer handled and/or stored within that tank farm). If the effluent limitation is exceeded during either of these two additional months, then monitoring shall continue once per month until the limit is met for two consecutive months at which time monitoring for the specified parameter shall cease.

Limits Justification: flow, TOC, oil and grease, and pH limits are based on the previous permit and on LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6).

The Total Phenols parameter is included in the permit based on BPJ because the facility may handle and/or store commodities that contain phenolic compounds, and there is potential for leaks and spills during the transfer of the products. The effluent limit is based on current LDEQ practices.

All other parameters are included in the permit based on BPJ because of the potential for the facility to handle and/or store commodities containing metals, volatile compounds, acid compounds, base/neutral compounds and pesticides/herbicides, and because there is potential for leaks and spills during the transfer of the products. The effluent limitations are based on state empirical limitations

and are consistent with current LDEQ practices for permitting stormwater with potential to discharge these types of pollutants.

This facility is not subject to Effluent Limitations Guidelines for Transportation Equipment Cleaning, 40 CFR Part 442, because, in accordance with 40 CFR 442.1.a, "this part applies to discharges resulting from cleaning the interior of tanks used to transport chemical, petroleum or food grade cargos" and 40 CFR 442.1.b, "This part is not applicable to... wastewaters resulting from cleaning the interiors of drums, intermediate bulk containers, or closed top hoppers." This facility does not clean tanks used to transport cargo.

2. **Outfalls 011, 012, and 013** - stormwater from the Main Yard (011), east/ central part of the West Yard (012), and southeast part of the West Yard (013)

Pollutant	Limitation Mo. Avg:Daily Max (mg/l)	Reference
Flow	Report:Report	*; BPJ
TOC	---:50 mg/L	*; BPJ
Oil and Grease	---:15 mg/L	*; BPJ
Total Phenols (*4)	---:500 ug/L	BPJ
Total Cyanide (*2)	---:100 ug/L	BPJ
pH	6.0 - 9.0 su	*; BPJ
METALS		
Antimony (*2)	---:600 ug/L	BPJ
Arsenic (*2)	---:100 ug/L	BPJ
Beryllium (*2)	---:100 ug/L	BPJ
Cadmium (*2)	---:100 ug/L	BPJ
Chromium (*2)	---:150 ug/L	BPJ
Copper (*2)	---:500 ug/L	BPJ
Lead (*1,*2)	---:150 ug/L	BPJ
Mercury (*2)	---:10 ug/L	BPJ
Nickel (*2)	---:500 ug/L	BPJ
Selenium (*2)	---:100 ug/L	BPJ
Silver(*2)	---:100 ug/L	BPJ
Thallium(*2)	---:100 ug/L	BPJ
Zinc (*2)	---:1000 ug/L	BPJ
VOLATILE COMPOUNDS		
Acrolein (*2)	---:100 ug/L	BPJ
Acrylonitrile (*2)	---:100 ug/L	BPJ
Benzene (*1,*2)	---:100 ug/L	BPJ
Bromoform (*2)	---:100 ug/L	BPJ
Carbon Tetrachloride(*2)	---:100 ug/L	BPJ
Chlorobenzene (*2)	---:100 ug/L	BPJ
Chlorodibromomethane (*2)	---:100 ug/L	BPJ
Chloroethane (*2)	---:100 ug/L	BPJ
2-Chloroethyl Vinyl Ether (*2)	---:100 ug/L	BPJ
Chloroform (*2)	---:100 ug/L	BPJ

Dichlorobromomethane (*2)	---:100 ug/L	BPJ
1,1-Dichloroethane (*2)	---:100 ug/L	BPJ
1,2-Dichloroethane (*2)	---:100 ug/L	BPJ
1,1-Dichloroethylene (*2)	---:100 ug/L	BPJ
1,2-Dichloropropane (*2)	---:100 ug/L	BPJ
1,3-Dichloropropylene (*2)	---:100 ug/L	BPJ
Ethylbenzene (*2)	---:100 ug/L	BPJ
Methyl Bromide (*2)	---:100 ug/L	BPJ
Methyl Chloride (*2)	---:100 ug/L	BPJ
Methylene Chloride (*2)	---:100 ug/L	BPJ
1,1,2,2-Tetra-Chloroethane (*2)	---:100 ug/L	BPJ
Tetrachloroethylene (*2)	---:100 ug/L	BPJ
Toluene (*2)	---:100 ug/L	BPJ
1-2-Trans-Dichloroethylene (*2)	---:100 ug/L	BPJ
1,1,1-Trichloroethane (*2)	---:100 ug/L	BPJ
1,1,2-Trichloroethane (*2)	---:100 ug/L	BPJ
Trichlorethylene (*2)	---:100 ug/L	BPJ
Vinyl Chloride (*2)	---:100 ug/L	BPJ

ACID COMPOUNDS

Phenol (*2)	---:100 ug/L	BPJ
2-Nitrophenol(*2)	---:100 ug/L	BPJ
4-Nitrophenol(*2)	---:100 ug/L	BPJ
2,4-Dinitrophenol(*2)	---:100 ug/L	BPJ
4,6-Dinitro-O-Cresol(*2)	---:100 ug/L	BPJ
P-Chloro-M-Cresol(*2)	---:100 ug/L	BPJ
Pentachlorophenol(*2)	---:100 ug/L	BPJ
2-Chlorophenol (*2)	---:100 ug/L	BPJ
2,4-Dichlorophenol (*2)	---:100 ug/L	BPJ
2,4,6-Trichlorophenol (*2)	---:100 ug/L	BPJ
2,4-Dimethylphenol (*2)	---:100 ug/L	BPJ

BASE/NEUTRAL COMPOUNDS

1,2-Dichlorobenzene(*2)	---:100 ug/L	BPJ
1,2-Diphenylhydrazine(*2)	---:100 ug/L	BPJ
1,2,4-Trichlorobenzene(*2)	---:100 ug/L	BPJ
1,3-Dichlorobenzene(*2)	---:100 ug/L	BPJ
1,4-Dichlorobenzene(*2)	---:100 ug/L	BPJ
2-Chloronaphthalene(*2)	---:100 ug/L	BPJ
2,4-Dinitrotoluene(*2)	---:100 ug/L	BPJ
2,6-Dinitrotoluene(*2)	---:100 ug/L	BPJ
3,3-Dichlorobenzidine(*2)	---:100 ug/L	BPJ
3,4-Benzofluoranthene(*2)	---:100 ug/L	BPJ
4-Bromophenyl Phenyl Ether(*2)	---:100 ug/L	BPJ
4-Chlorophenyl Phenyl Ether(*2)	---:100 ug/L	BPJ
Acenaphthene(*2)	---:100 ug/L	BPJ
Acenaphthylene(*2)	---:100 ug/L	BPJ
Anthracene(*2)	---:100 ug/L	BPJ
Benzidine(*2)	---:100 ug/L	BPJ
Benzo (a) Anthracene(*2)	---:100 ug/L	BPJ

Benzo (a) Pyrene(*2)	---:100 ug/L	BPJ
Benzo, (g,h,i) Perylene(*2)	---:100 ug/L	BPJ
Benzo (k) Fluoranthene(*2)	---:100 ug/L	BPJ
Bis (2-Chloroethoxy) Methane(*2)	---:100 ug/L	BPJ
Bis (2-Chloroethyl) Ether(*2)	---:100 ug/L	BPJ
Bis (2-Chloroisopropyl) Ether(*2)	---:100 ug/L	BPJ
Bis (2-Ethylhexyl) Phthalate(*2)	---:100 ug/L	BPJ
Butyl Benzyl Phthalate(*2)	---:100 ug/L	BPJ
Chrysene(*2)	---:100 ug/L	BPJ
Dibenzo (a,h) Anthracene(*2)	---:100 ug/L	BPJ
Diethyl Phthalate(*2)	---:100 ug/L	BPJ
Dimethyl Phthalate(*2)	---:100 ug/L	BPJ
Di-N-Butyl Phthalate(*2)	---:100 ug/L	BPJ
Di-N-Octyl Phthalate(*2)	---:100 ug/L	BPJ
Fluoranthene(*2)	---:100 ug/L	BPJ
Fluorene(*2)	---:100 ug/L	BPJ
Hexachlorobenzene(*2)	---:100 ug/L	BPJ
Hexachlorobutadiene(*2)	---:100 ug/L	BPJ
Hexachlorocyclopentadiene(*2)	---:100 ug/L	BPJ
Hexachloroethane(*2)	---:100 ug/L	BPJ
Ideno (1,2,3-c,d) Pyrene(*2)	---:100 ug/L	BPJ
Isophorone(*2)	---:100 ug/L	BPJ
Naphthalene(*2)	---:100 ug/L	BPJ
Nitrobenzene(*2)	---:100 ug/L	BPJ
N-Nitrosodimethylamine(*2)	---:100 ug/L	BPJ
N-Nitrosodi-n-propylamine(*2)	---:100 ug/L	BPJ
N-Nitrosodiphenylamine(*2)	---:100 ug/L	BPJ
Phenanthrene(*2)	---:100 ug/L	BPJ
Pyrene(*2)	---:100 ug/L	BPJ

PESTICIDES/HERBICIDES

Alpha-Endosulfan(*2)	---:10 ug/L	BPJ
Beta-Endosulfan(*2)	---:10 ug/L	BPJ
Endosulfan Sulfate(*2)	---:10 ug/L	BPJ
Aldrin(*2)	---:10 ug/L	BPJ
Alpha-BHC(*2)	---:10 ug/L	BPJ
Beta-BHC(*2)	---:10 ug/L	BPJ
Gamma-BHC(*2)	---:10 ug/L	BPJ
Delta-BHC(*2)	---:10 ug/L	BPJ
Dieldrin(*2)	---:10 ug/L	BPJ
4,4'-DDE(*2)	---:10 ug/L	BPJ
4,4'-DDD(*2)	---:10 ug/L	BPJ
4,4'-DDT(*2)	---:10 ug/L	BPJ
Heptachlor(*2)	---:10 ug/L	BPJ
Endrin Aldehydye(*2)	---:10 ug/L	BPJ
Heptachlor Epoxide(*2)	---:10 ug/L	BPJ
Chlordane(*2)	---:10 ug/L	BPJ
Toxaphene(*2)	---:10 ug/L	BPJ
PCB-1242(*2)	(*3)	BPJ
PCB-1254(*2)	(*3)	BPJ

PCB-1221(*2)	(*3)	BPJ
PCB-1232(*2)	(*3)	BPJ
PCB-1248(*2)	(*3)	BPJ
PCB-1260(*2)	(*3)	BPJ
PCB-1016(*2)	(*3)	BPJ
2,3,7,8-TCDD (Dioxin)(*2)	---:5 ug/L	BPJ
Endrin(*2)	---:5 ug/L	BPJ

BPJ Best Professional Judgement
su Standard Units
* LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6)

(*1) This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing liquid or gaseous hydrocarbons.

(*2) This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing this parameter

(*3) There shall be no discharge of polychlorinated biphenyls (PCBs).

(*4) This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing any phenolic compound.

Treatment: settling in stormwater collection pit

Monitoring Frequency: flow, TOC, oil and grease, and pH shall be monitored monthly.

All other parameters must be monitored once during each month in which the outfall could potentially be affected by handling and/or storing commodities containing one or more of the specified chemicals, and once a month for two months thereafter (i.e., if a commodity containing one or more of the specified chemicals is handled and/or stored within the tank farm, the specified parameter must be monitored at the outfall for the respective tank farm once during each month in which the specified chemical is handled and/or stored within that tank farm, and monitoring shall continue once per month for two months after the commodity is no longer handled and/or stored within that tank farm). If the effluent limitation is exceeded during either of these two additional months, then monitoring shall continue once per month until the limit is met for two consecutive months at which time monitoring for the specified parameter shall cease.

Limits Justification: flow, TOC, oil and grease, and pH limits are based similar discharges and on LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6).

The Total Phenols paramcter is included in the permit based on BPJ because the facility may handle and/or store commodities that contain phenolic compounds, and there is potential for leaks and spills during the transfer of the products. The effluent limit is based on current LDEQ practices.

All other parameters are included in the permit based on BPJ because of the potential for the facility to handle and/or store commodities containing metals, volatile compounds, acid compounds, base/neutral compounds and pesticides/herbicides, and because there is potential for leaks and spills during the transfer of the products. The effluent limitations are based on state empirical limitations

and are consistent with current LDEQ practices for permitting stormwater with potential to discharge these types of pollutants.

This facility is not subject to Effluent Limitations Guidelines for Transportation Equipment Cleaning, 40 CFR Part 442, because, in accordance with 40 CFR 442.1.a, "this part applies to discharges resulting from cleaning the interior of tanks used to transport chemical, petroleum or food grade cargos" and 40 CFR 442.1.b, "This part is not applicable to... wastewaters resulting from cleaning the interiors of drums, intermediate bulk containers, or closed top hoppers." This facility does not clean tanks used to transport cargo.

3. **Outfall 101, 102, 103, & 104** - Hydrostatic test wastewaters

Pollutant	Limitation Mo. Avg:Daily Max (mg/l)	Reference
Flow-MGD	Report:Report	LAG670000 Hydrostatic Test
Oil and Grease	---:15	LAG670000 Hydrostatic Test
TOC	---:50	LAG670000 Hydrostatic Test
Benzene	---:50 µg/l	LAG670000 Hydrostatic Test
Total BTEX	---250 µg/l	LAG670000 Hydrostatic Test
Total Lead	---:50 µg/l	LAG670000 Hydrostatic Test

Treatment: none

Monitoring Frequency: 1/discharge from each tank or vessel being tested.

Limits Justification: Limits and monitoring frequency are based on the Hydrostatic Test General Permit (LAG670000).

su Standard Units

4. **Outfalls 201, 301, 202, 303, 403, and 503** - treated sanitary wastewater

Pollutant	Limitation Mo. Avg: Weekly Avg (mg/L)	Reference
Flow (GPD)	---: Report	
BOD	---:45 mg/l	Similar discharges * (BPJ)
Fecal Coliform Colonies/100 ml	---:400 mg/l	Similar discharges * (BPJ)
TSS	---:45 mg/l	Similar discharges * (BPJ)

Treatment: STP with aeration, biological breakdown, settling and chlorination

Monitoring Frequency: Semiannually for all parameters.

Limits Justification: Limits and monitoring frequencies are based on current guidance for similar discharges from other facilities.

BPJ Best Professional Judgement
* Existing permits for similar outfalls
su Standard Units
NOTE
For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC code 4226 are considered to have storm water discharges associated with industrial activity.

The SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility (see Part II, Paragraph O of the Draft Permit)